



Ca doors,
hatches and
windows

Access through technology

SALCO 

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About Salco

In 40 years, Salco has developed into a well-known name in various industries in the Netherlands and abroad, in which the fruit industry is our most important export market. We work together with a network of distributors throughout the world. Specialised businesses that know the local market and have their own organisation with sales, installation and service.

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Worldwide
leading in
CA doors

SALCO 

At the beginning of the 1980's, the ULO/CA-storage of fruit commenced and the demand for gastight doors arose. For this, Salco developed a gastight chiller door with the unique, patented inflatable sealing system.

Storage at Controlled Atmosphere

ULO stands for Ultra Low Oxygen and CA stands for Controlled Atmosphere. With this storage method, an atmosphere with low oxygen content (sometimes lower than 1%), an increased CO2 content, and a temperature and air humidity that depends on the product is created in a gastight refrigeration room. Through this, the ripening is slowed down, as a result of which the storage life is extended.

The why and wherefore of Salco CA doors

There are two options available to seal the gas-tight doors ensuring they are completely gas-tight. In addition to doors fitted with the unique, inflatable gasket, there is also a more competitively priced version that does not use this system. The inflatable gasket consists of an inflatable tube in combination with a flexible rubber gasket. After the door is closed, the tube inflates. As a result, the rubber gasket is pressed outwards, which seals off any irregularities from the ground or the wall. The air pressure of the seal is displayed on the integrated manometer in order to carry out checks.

Doors that do not apply the inflatable system are pressed into the double-layer rubber gasket by way of a clamp. Because the seal to the floor is the most critical point, both models are provided with a special semi-circular profile (radius) in the lower corners when connecting the frame to the floor. Do not use lubricant or sealant for gastight sealing. Because of this, the room can be opened and sealed gastight in seconds and everything stays clean.

The door leaf is lightweight because of the use of high quality, seamless polyester, and available in several colours. The door frame and surrounding are completely free of thermal bridges and executed in anodized aluminium. The doors are available in a horizontal and a vertical design, and as a hinged door.



Fruit storage

CA/ULO storage method creates an atmosphere with low oxygen content and high CO2 content. This inhibits the ripening of fruits such as apples and pears and prolongs the shelf life.



Vegetable storage

The CA/ULO storage method is also used in the preservation of vegetables. Vegetables such as garlic, cabbage and onions can be stored for months without loss of quality.



Ripening of fruit

Exotic fruit is ripened under controlled conditions. This increases the taste and shelf life of avocados and bananas.



Fire Prevention

By extracting the oxygen from a room, the risk of fire is eliminated. This method is used in cold storages, server rooms and museums.



Pest control

In the case of organic pest control, the oxygen content is brought to a level where the insects are not viable. Goods such as tobacco, coffee, cocoa and also antiques are treated against harmful insects.

What can we do to serve you?

Ask Salco

+31(0)228 654 200 or
email to info@salco.nl

CA DOOR HORIZONTAL

KHG-1810/1815

The horizontal design is provided with an anodized aluminium drop/lift-rail system with an integrated finishing cover. In addition to manual controls, the door can also be provided with

electrical controls. Besides a 100 mm thick door leaf (KHG-1810), a version with a 150 mm door leaf (KHG-1815) with a higher insulation value is also available.

HIGHLIGHTS

- ✓ Available with or without inflatable gasket
- ✓ Opening and gastight sealing in seconds
- ✓ Special profile on the lower corners for a hermetic seal
- ✓ Also available in a 150 mm version



Would you like to receive an appropriate quotation?

Ask Salco
salco.nl/quotation

NI-1610

As a competitively priced alternative, Salco has developed the NI-1610. This version is the same as the KHG-1810, but without an inflatable gasket. Only available in a horizontal sliding model with a maximum size of 3000 x 3500 mm (WxH).



HIGHLIGHTS

- ✓ Available up to very large dimensions (approx. 7m wide)
- ✓ Optimum accessibility
- ✓ Manually or electrically operated
- ✓ Also available with tilting system

CA DOOR VERTICAL

KHG-1810/1815V

The vertical design is pre-eminently suitable in situations where there is little side-space, or where goods are conveyed over the entire width of the room. By manufacturing doors that are as wide as the room, goods can be driven in and out of the room quickly and efficiently, and the room space is utilized optimally. As the doors are often applied in a damp environment, the vertical rail system and the bridging beam are powder coated in RAL 9016

(white). Besides doors that are operated manually (chain), doors with electrical operation are also available. In addition to a 100 mm thick door (KHG-1810V), a 150 mm version is also available (KHG-1815V). For situations where the top space is limited, it is possible to construct the doors with a partially vertical rail system (tilting system). Alternatively, the door can be equipped with 'automatic' clamps that allow it to close from the floor.



NI-1610

Non inflatable gasket



KHG-1810/1815

Inflatable gasket

CA HINGED DOOR

KDG-1910/1810

The KDG-1910 has been specially developed for gastight rooms that need to be easily and quickly accessible. The door is not provided with an inflatable gasket but is sealed hermetically by the three-point lock on the door leaf and frame. This ensures that the door can be opened and closed quickly, locked on the outside with the aid of a cylinder lock and opened at all times from the inside by means of an emergency unlocking device. The ideal solution for gastight storage cells for soft fruit (for example, berries, cherries) but also for insect control during the cultivation of cannabis or the conservation of archives and museum pieces. Maximum dimensions 1200 x 2500 mm (wxh).

For larger dimensions, the gastight hinged door KDG-1810 is used. It has a similar design as the KDG-1910 but with inflatable gasket. The hinged door is equipped with a lift-and-drop hinge mechanism, enabling the door to rise by a couple of millimetres when opened, thus preventing wear and tear to the bottom rubber strip.



CA WINDOWS

With fruit storage, it is important that the content in the low-oxygen refrigeration rooms is visible, or that it is possible to take samples of the fruit. For this purpose, Salco supplies gastight windows that can be installed both in the door and in the walls of the refrigeration cell. For installation in the ceiling, Salco supplies special gastight inspection windows with single-layered safety glass that have a handle with a cylinder lock on the outside. The escape window is provided with an emergency unlocking device on the inside. Both types of windows are supplied with a counter frame for installation in a maximum of 100 mm or 200 mm.



HIGHLIGHTS

- ✓ Especially for small, compact CA rooms
- ✓ Available with or without inflatable gasket
- ✓ Quick to (unlock) close by means of the three-point lock

CA VENT HATCH

KLG-1910/1810

Version identical to the gas-tight cooling door KDG-1910/1810, but with frame all around and stainless steel/plastic hinges. Used, among other things, as a vent hatch for the CA storage of onions. Maximum dimensions 3600 mm x 1300 mm (wxh).



DOORS SUPPLIED AS A CONSTRUCTION KIT

Salco supplies CA doors as a construction kit especially for export. The construction kit is made completely to measure, with or without polyester panels for the door leaf.

Advantages:

- Favourable prices
- Lower import duties
- Uncomplicated transport
- Lower transport costs owing to reduced volume
- Possibility to apply a local 100/150 mm sandwich panel
- Assembly against local labour costs
- Large dimensions possible

Obviously, the construction kits will be provided with detailed installation drawings, assembly and construction manuals and films.



Standard 100/150 mm sandwich panel applicable

Detailed manuals and films available on salco.nl

INSTALLATION AND SERVICE

Salco gastight doors are designed, produced and, if desired, installed by our own staff. Everything under the same roof, so that we can guarantee a high-quality product for the full 100%. Safe, reliable, user-friendly and with a long life span. You can also count on us after the installation of our doors. Salco disposes of an extensive service department for solving malfunctions and/or damage. Our specialists are at your service 24 hours per day 7 days per week. Fast, competent and efficient.

Simple problems

doorcontrol.eu

Parts

webshop.salco.nl

TECHNICAL SPECIFICATIONS

CA door type KHG-1810/1815 (horizontal) and KHG-1810/1815V (vertical)

Construction	door leaf constructed of a core of insulation material, covered on both sides with 1,5 mm impact-resistant glass-fibre reinforced foodsafe polyester.
Thickness door leaf	100 mm (KHG-1810(V)), 150 mm (KHG-1815(V)).
R value	100 mm approx. 3,7 (m2 K/W), 150 mm approx. 5,6 (m2 K/W).
Framing	anodized aluminium profiles, thermal bridge-free.
Colour of door leaf	standard colours RAL 9016 (white), RAL 7016 (anthracite), RAL 6010 (green) or RAL 5005 (blue).
Sealing	gastight by means of inflatable profiles.
Door frame	anodized aluminium profiles with a complete thermal bridge-free fit to the wall.
Rail system	anodized aluminium drop/lift rail system type SRA with dust hood (horizontal), galvanized and powder coated guiding system (vertical or partly vertical (tilt system)).
Operation	manually operated (horizontal), chain operated (vertical). Electrical operation at additional price (doors with tilt system are electrically operated as standard). The vertical design is balanced by torsion springs.
Locks	not included. Available at additional price.
Additional options	bumper, threshold, finish of the clear opening, CA window, rain hood, automatic' clamps (vertical), automatically inflatable and more.

CA door type NI-1610 (horizontal)

Construction and options are the same as CA door type KHG-1810, with the following exception:

Sealing	gastight by means of rubber profiles (not inflatable).
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CA hinged door KDG-1810 and CA vent hatch type KLG-1810 (inflatable gasket)

Construction is the same as CA door type KHG-1810, with the following exceptions:

Hinges	block hinges plastic/chromed, drop/lift hinge plastic/aluminium (hinged door), stainless steel/plastic (hatch).
Operation	manually operated.
Closure	three-point lock.
Lock	cylinder lock in the door handle.
Other options	finish of the clear opening, threshold, rain hood (for hinged door), automatically inflatable and more.

The CA hinged door and the vent hatch are not available as a construction kit.

CA hinged door type KDG-1910 and CA vent hatch type KLG-1910 (gasket not inflatable)

Construction and options are the same as KDG/KLG-1810, with the following exceptions:

Sealing	gastight by means of rubber profiles.
Hinges	stainless steel/plastic (hinged door and hatch).

The CA hinged door and the vent hatch are not available as a construction kit.

CA inspection window and CA escape window

Construction	synthetic hinged window and frame manufactured from impact-resistant PVC.
Dimensions	inspection window (external dimension 580x810 (wxh), free passage 370x600m (wxh)) for mounting in ceiling, door leaf or panelled wall. Escape window (external dimension 710x810 mm (wxh), free passage 500x600 mm (wxh)) for mounting in door leaf or panelled wall.
R-value	approx. 0,88 (m ² K/W).
PVC colour	similar to RAL 9010 (white).
Glazing	gas filled HR ++ insulation glass. Insulation glass according to NEN 2608. Inspection window constructed from single-layered safety glass 3-3-1.
Sealing	double sealing by means of rubber profiles.
Opening direction	right opening (seen from outside).
Counter frame	contra window frame for building into max. 100 or 200 mm.
Closure	handle with multi-point closure.
Lock	cylinder lock in the handle.
Emergency release	on the inside (only with escape window).

It is our policy to continuously keep improving our products. This can result in products differing from those in the pictures featured in this brochure.

**Salco
industrial
doors**

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